



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

DA  
2006

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/613,961	07/05/2003	Christian E. Schafmeister	214001-01024-1-1	9015
3705	7590	02/13/2006	EXAMINER	
ECKERT SEAMANS CHERIN & MELLOTT			DESAI, RITA J	
600 GRANT STREET			ART UNIT	PAPER NUMBER
44TH FLOOR			1625	
PITTSBURGH, PA 15219			DATE MAILED: 02/13/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/613,961	SCHAFFMEISTER, CHRISTIAN E.	
	<b>Examiner</b> Rita J. Desai	<b>Art Unit</b> 1625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) Responsive to communication(s) filed on 05 December 2005.
- 2a) This action is FINAL.                            2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) Claim(s) 1 and 4-8 is/are pending in the application.
- 4a) Of the above claim(s) 13-294 is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1, 4-8 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All    b) Some \* c) None of:
  1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.

- 4) Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: \_\_\_\_\_.

## **DETAILED ACTION**

Claims 1, 4-8 are pending.

Claims 9-12 and 295-300 have been cancelled.

And claims 13-294 are withdrawn.

The rejection of claim 1 under 35 USC 112 has been withdrawn.

The rejection of claims 1, 4-8 under 35 USC 103 as being obvious over Valli et al still stands.

Applicants arguments are not found to be persuasive. The function of a protective group is the same whether it is the same or different. Selectively protecting different groups is obvious to one skill in the art. Thus the rejection still stands.

### **New Grounds of Rejection**

#### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

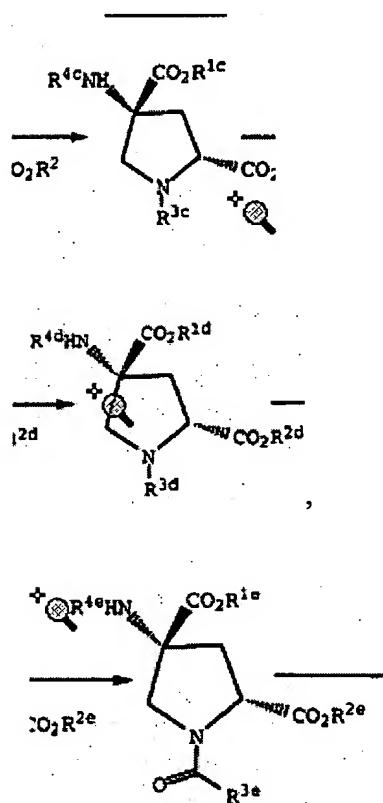
(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 4-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over US 5473077 and WO 9605828 . James Monn et al .

Applicants claims are drawn to compounds ACPD compounds wherein R6 is a carboxylic acid and the Z form an ester. Thus it is not a dicarboxylic acid.

### **Determination of the scope and content of the prior art (MPEP §2141.01)**

The WO reference in scheme II, III, IV on pages 15, 16 describes the compounds of the invention.



The different groups at the N and carboxylic acid positions are clearly shown.

The reference also teaches the use of protective groups selectively to obtain the corresponding compound. See page 8 and 9 of the reference.

From the different intermediates shown supra it can be seen that different protective groups are used for each of the carboxy and "N" groups.

**Ascertainment of the difference between the prior art and the claims (MPEP §2141.02)**

The prior art does not specifically disclose the compounds in which both carboxy groups are not acids, however the general teaching that they can be different is clearly shown.

**Finding of prima facie obviousness--rational and motivation (MPEP §2142-2413)**

The reference teaches the genus with the different groups on the 2 "N"'s and the two carboxy's. The reference also teaches that the protective groups can be selectively changed and reversed to obtain the desired compound. Thus with this teaching one of skill in the art would have been motivated and found it obvious to obtain the compounds of the invention.

***Conclusion***

The claims 1, 4-8 are rejected.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rita J. Desai whose telephone number is 571-272-0684. The examiner can normally be reached on Monday - Friday, 9:30 am to 6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cecilia Tsang can be reached on 571-272-0562. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Rita J. Desai  
Primary Examiner  
Art Unit 1625

R.D.  
February 8, 2006

  
2/8/06